

**LISTING OF CLAIMS:** This listing of claims will replace all prior versions, and listings, of claims in the application:

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- D 1
- Claim 1. (previously amended) An additive system for direct addition to a poly(vinyl chloride)-containing matrix resin consisting essentially of:
- a. 95 to 30 weight percent of a liquid component, wherein said liquid component comprises water; and
  - b. 5 to 70 weight percent of a solid component, wherein said solid component comprises a poly(vinyl chloride) processing aid and an impact modifier for the poly(vinyl chloride)-containing matrix resin, and wherein said impact modifier is a multi-stage copolymer which comprises:
    - i) 90 to 95 weight percent of a polymerized core comprising, as polymerized units, a C<sub>2</sub> to C<sub>12</sub> alkyl acrylate, and
    - ii) at least 1 weight percent of a polymerized shell comprising, as polymerized units, a C<sub>1</sub> to C<sub>4</sub> alkyl methacrylate.

Claim 2. (previously amended) The additive system of claim 1 wherein the system is in the form of an aqueous emulsion.

Claim 3. (previously amended) The additive system of claim 1 wherein the system is in the form of a coagulated slurry or wetcake.

Claims 4-18. (cancelled)

Claim 19. (previously amended) The additive system of claim 1 wherein the processing aid is a lubricating processing aid.

*D<sup>1</sup>*  
*cont.*

Claim 20. (previously amended) The additive system of claim 1 wherein the processing aid is a single stage or multi-stage polymer.

Claims 21-22. (cancelled)

Claim 23. (newly amended) The additive system of claim 1 further comprising at least one compound selected from the group consisting of: a plasticizer[s], a UV stabilizer, a lubricant, a wax, a pigment, a toner, a rheology modifier, a flame retardant, a thermal stabilizer, an antioxidant, a filler, a mold release agent, and hollow spheres.

*D<sup>2</sup>*

Claims 24-31. (cancelled)

Claim 32. (new) An additive-matrix mixture formed by mixing ingredients comprising a poly(vinyl chloride)-containing matrix resin and at least one aqueous additive system, wherein each of the at least one aqueous additive systems comprises one polymeric additive selected from the group consisting of:

- i) acrylic impact modifiers;
- ii) methyl methacrylate-butadiene-styrene modifiers; and
- iii) polymeric processing aids;

wherein the amount of polymeric additive in each of the at least one aqueous additive systems is from 5 to 70 percent by weight of the aqueous additive system.

Claim 33. (new) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric processing aid for poly(vinyl chloride).

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cont.*

Claim 34. (new) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric processing aid for poly(vinyl chloride) that is a lubricating processing aid.

Claim 35. (new) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric processing aid for poly(vinyl chloride) that is a graft copolymer comprising at least 10 percent by weight of a rubbery core, based on the weight of the graft copolymer.

Claim 36. (new) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric additive selected from the group consisting of:

- i) an acrylic impact modifier that is a graft copolymer having over 70 percent by weight of a rubbery core, based on the weight of the graft copolymer; and
- ii) a methyl methacrylate-butadiene-styrene modifier that is a graft copolymer having over 70 percent by weight of a rubbery core, based on the weight of the graft copolymer.

Claim 37. (new) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric additive selected from the group consisting of:

- i) an acrylic impact modifier that is a graft copolymer having 90 to 95 percent by weight of a rubbery core, based on the weight of the graft copolymer; and
- ii) a methyl methacrylate-butadiene-styrene modifier that is a graft copolymer having 90 to 95 percent by weight of a rubbery core, based on the weight of the graft copolymer.

D2  
cont.

Claim 38. (new) The additive-matrix mixture of claim 32, wherein the ingredients comprise an aqueous additive system comprising one polymeric additive synthesized by emulsion polymerization.

Claim 39. (new) The additive-matrix mixture of claim 32, wherein the ingredients comprise at least one additive system that is in the form of a coagulated slurry or wetcake.

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